Adam H. Putnam
Commissioner

Florida Department of Agriculture & Consumer Services
Division of Agricultural Environmental Services
Bureau of Agricultural Environmental Laboratories

PESTICIDE ANALYSIS REPORT

Report Date: 12/23/2014

Laboratory Sample ID: AA24680

EPA Sample Number: 101614- 4092- 0201	**This sample was received by our lab:**
	Sample Description:
Compliance File Number: 114-223-4092	CONSISTS OF 32 oz BROWN NALGENE SOIL Sample TAKEN. STATE UNIT G BLOCK 1 EAST END
Compliance File Name: Thomas R. Summersill, Inc.	
	Date Sample Taken: 10/16/2014
	Date Sample Received: 10/21/2014

The attached report is for the sample referenced above. The sample was analyzed using standard FDACS testing procedures and quality analysis protocol. Instrument calibration and quality control are within acceptable limits of precision and accuracy.

A close review by our Quality Assurance Department certifies that our strict quality assurance standards were observed.

This cover sheet is an integral part of the analytical report that follows.

Pesticide Analysis Report

To: Bureau of Licensing and Enforcement
3125 Conner Boulevard, Bld. 8
Tallahassee, Fl. 32399-1650

Report Date: 12/23/2014

EPA Sample Number: 101614 4092 0201

Date Sample Taken: 10/16/2014

Sample Matrix: SOIL

Date Sample Received: 10/21/2014

Sample Description: CONSISTS OF 32 oz BROWN NALGENE SOIL Sample TAKEN. STATE UNIT G BLOCK 1 EAST END

This sample was analyzed by standard Pesticide Laboratory, FDACS testing procedures. All results were validated against standard QA procedures.

Analytical Results

Analyte	Result	Analysis Unit	MDL	Qualifier
2,4-D	Not Detected	ug/Kg	240	
3OH-Carbofuran	Not Detected	ug/Kg	1.6	
Acetamiprid	Not Detected	ug/Kg	1.6	
Acetochlor	Not Detected	ug/Kg	320	
Alachlor	Not Detected	ug/Kg	320	
Aldicarb	Not Analyzed	ug/Kg	1.6	
Aldicarb Sulfone	Not Detected	ug/Kg	1.6	
Aldicarb sulfoxide	Not Detected	ug/Kg	1.6	
Allethrin	Not Detected	ug/Kg	320	
Ametryn	Not Detected	ug/Kg	320	
Asulam	Not Detected	ug/Kg	1.6	
Atrazine	Not Detected	ug/Kg	320	
Azinphos-methyl	Not Detected	ug/Kg	320	
Azoxystrobin	4.6	ug/Kg	1.6	J,L
Benefin	Not Detected	ug/Kg	320	
Bentazon	Not Detected	ug/Kg	240	
Bifenazate	Not Detected	ug/Kg	1.6	

Analyte	Result	Analysis Unit	MDL	Qualifier
Bifenthrin	Not Detected	ug/Kg	320	
Bosclaid	Not Detected	ug/Kg	1.6	
Bromacil	Not Detected	ug/Kg	1.6	
Buprofezin	Not Detected	ug/Kg	320	
Butylate	Not Detected	ug/Kg	320	
Carbaryl	Not Detected	ug/Kg	1.6	
Carbofuran	Not Detected	ug/Kg	1.6	
Carfentrazone-ethyl	Not Detected	ug/Kg	320	
Chloramben	Not Detected	ug/Kg	240	
Chlorantraniliprole	40	ug/Kg	1.6	L
Chlorofenapyr	Not Detected	ug/Kg	320	
Chlorothalonil	Not Detected	ug/Kg	320	
Chlorpyrifos	Not Detected	ug/Kg	320	
Clopyralid	Not Detected	ug/Kg	240	
Clothianidin	4.5	ug/Kg	1.6	J,L
Coumaphos	Not Detected	ug/Kg	320	
Cyfluthrin	Not Detected	ug/Kg	320	
Cyhalothrin	Not Detected	ug/Kg	320	
Cypermethrin	Not Detected	ug/Kg	320	
Cyprodinil	Not Detected	ug/Kg	320	
DEA	Not Detected	ug/Kg	320	
Deltamethrin	Not Detected	ug/Kg	320	
DIA	Not Detected	ug/Kg	320	
Diazinon	Not Detected	ug/Kg	320	
Dicamba	550	ug/Kg	240	J,L
Dichlorvos	Not Detected	ug/Kg	320	
Diflubenzuron	Not Detected	ug/Kg	1.6	
Dimethenamid-p	Not Detected	ug/Kg	320	
Dimethoate	Not Detected	ug/Kg	320	
Dinotefuran	Not Detected	ug/Kg	1.6	
Disulfoton	Not Detected	ug/Kg	320	
Diuron	Not Detected	ug/Kg	1.6	
Endosulfan I	Not Detected	ug/Kg	320	

Analyte	Result	Analysis Unit	MDL	Qualifier
Endosulfan II	Not Detected	ug/Kg	320	
Ethion	Not Detected	ug/Kg	320	
Ethoprop	Not Detected	ug/Kg	320	
Etoxazole	Not Detected	ug/Kg	320	
Fenamidone	Not Detected	ug/Kg	320	
Fenamiphos	Not Detected	ug/Kg	320	
Fenamiphos Sulfone	Not Detected	ug/Kg	320	
Fenamiphos Sulfoxide	Not Detected	ug/Kg	320	
Fenbuconazole	Not Detected	ug/Kg	320	
Fenpropathrin	Not Detected	ug/Kg	320	
Fenpyroximate	Not Detected	ug/Kg	1.6	
Fenthion	Not Detected	ug/Kg	320	
Fenvalerate	Not Detected	ug/Kg	320	
Fipronil	Not Detected	ug/Kg	320	
Fluazifop-butyl	Not Detected	ug/Kg	320	
Fludioxonil	Not Detected	ug/Kg	320	
Flumioxazin	Not Detected	ug/Kg	320	
Fluridone	Not Detected	ug/Kg	1.6	
Flutolanil	Not Detected	ug/Kg	320	
Fluvalinate	Not Detected	ug/Kg	320	
Fosthiazate	Not Detected	ug/Kg	320	
Hexazinone	Not Detected	ug/Kg	320	
Imazamox	Not Detected	ug/Kg	47	
Imazapyr	Not Detected	ug/Kg	47	
Imazaquin	Not Detected	ug/Kg	47	
Imazethapyr	Not Detected	ug/Kg	47	
Imidacloprid	2.3	ug/Kg	1.6	J,L
Imidacloprid-Olefin	Not Detected	ug/Kg	1.6	
Iodosulfuron-methyl	Not Detected	ug/Kg	1.6	
Iprodione	Not Detected	ug/Kg	320	
Lindane	Not Detected	ug/Kg	320	
Malathion	Not Detected	ug/Kg	320	
MCPA	Not Detected	ug/Kg	240	

Analyte	Result	Analysis Unit	MDL	Qualifier
MCPP	Not Detected	ug/Kg	240	
Metalaxyl	Not Detected	ug/Kg	1.6	
Methidathion	Not Detected	ug/Kg	320	
Methiocarb	Not Detected	ug/Kg	1.6	
Methomyl	Not Detected	ug/Kg	1.6	
Methyl Parathion	Not Detected	ug/Kg	320	
Metolachlor	Not Detected	ug/Kg	320	N
Metribuzin	Not Detected	ug/Kg	320	
Metsulfuron-methyl	Not Detected	ug/Kg	1.6	
MGK-264	Not Detected	ug/Kg	320	
Myclobutanil	Not Detected	ug/Kg	320	
Naled	Not Detected	ug/Kg	79	
Nitenpyram	Not Analyzed	ug/Kg	1.6	
Norflurazon	Not Detected	ug/Kg	1.6	
Norflurazon-desmethyl	Not Detected	ug/Kg	1.6	
Oryzalin	Not Detected	ug/Kg	1.6	
Oxadiazon	Not Detected	ug/Kg	320	
Oxamyl	Not Detected	ug/Kg	1.6	
Parathion	Not Detected	ug/Kg	320	
Pendimethalin	Not Detected	ug/Kg	320	
Permethrin	Not Detected	ug/Kg	320	
Phenothrin	Not Detected	ug/Kg	320	
Phorate	Not Detected	ug/Kg	320	
Phosmet	Not Detected	ug/Kg	320	
Picloram	Not Detected	ug/Kg	240	
Picoxystrobin	Not Detected	ug/Kg	1.6	
Piperonyl butoxide (TPB)	Not Detected	ug/Kg	320	
Pirimiphos-methyl	Not Detected	ug/Kg	320	
Prodiamine	Not Detected	ug/Kg	320	
Prometon	Not Detected	ug/Kg	320	
Prometryn	Not Detected	ug/Kg	320	
Pronamide	Not Detected	ug/Kg	320	
Propazine	Not Detected	ug/Kg	320	

Analyte	Result	Analysis Unit	MDL	Qualifier
Propetamphos	Not Detected	ug/Kg	320	
Propiconazole	Not Detected	ug/Kg	320	
Propoxur	Not Detected	ug/Kg	1.6	
Pyraclostobin	12	ug/Kg	1.6	L
Pyrimethanil	Not Detected	ug/Kg	320	
Resmethrin	Not Detected	ug/Kg	320	
Simazine	Not Detected	ug/Kg	1.6	
Spirodiclofen	Not Detected	ug/Kg	1.6	
Spirotetramat	Not Detected	ug/Kg	1.6	
Sulfometuron-methyl	Not Detected	ug/Kg	1.6	
Sulfosulfuron	Not Detected	ug/Kg	1.6	
Sulfoxaflor	Not Detected	ug/Kg	1.6	
Terbufos	Not Detected	ug/Kg	320	
Tetramethrin	Not Detected	ug/Kg	320	
Thiacloprid	Not Detected	ug/Kg	1.6	
Thiamethoxam	Not Detected	ug/Kg	1.6	
Thiazopyr	Not Detected	ug/Kg	1.6	
Thiazopyr-monoacid	Not Analyzed	ug/Kg	1.6	
Thiencarbazone-methyl	Not Analyzed	ug/Kg	1.6	
Thifensulfuron-methyl	Not Detected	ug/Kg	1.6	
Triadimefon	Not Detected	ug/Kg	320	
Tribufos	Not Detected	ug/Kg	320	
Triclopyr	Not Detected	ug/Kg	240	
Trifloxystrobin	Not Detected	ug/Kg	1.6	
Trifloxysulfuron	Not Detected	ug/Kg	1.6	
Trifluralin	Not Detected	ug/Kg	320	
Triticonazole	Not Detected	ug/Kg	320	

Comments: See attached page for report qualifier definitions if applicable

Patricia A. Lucas

Patricia A. Lucas, Chief
Bureau of Agricultural Environmental Laboratories (850)
617-7830

Reporting Qualifier Definitions

A	ADL is above level of detection (analysis performed by Food Laboratory).
B	BDL is below level of detection (analysis performed by Food Laboratory).
C	The presence was confirmed by dual or secondary column chromatography.
D	Sample analysis could not be performed due to insufficient sample size.
E	Estimated value; analyte concentrations (as analyzed) fall outside the calibration range.
F	Value reported is the mean of two or more determinations.
G	The presence was confirmed by Gas Chromatography Mass Spectroscopy (GC/MS).
H	Sample analyzed out of hold time.
I	The presence of this analyte was unable to be confirmed by Mass Spectroscopy due to instrument sensitivity limitations.
J	Value is >MDL but <PQL; for information only.
K	Sample not analyzed due to sample matrix interferences.
L	The presence was confirmed by Liquid Chromatography/Mass Spectroscopy (LC/MS).
M	Accurate quantitation was not possible due to matrix interferences.
N	There are indications of the presence of this analyte at below the lowest method standard level.
O	Sample bottle broken in laboratory prior to completion of analysis.
P	Sample prepped out of hold time.
Q	The laboratory was unable to accurately quantitate the amount present in the sample due to the limited amount of sample available.
R	The data are unusable (analyte may or may not be present). Resampling and reanalysis is necessary for verification.
S	The laboratory does not have the appropriate analytical equipment necessary for this analysis.
T	The analysis was from an unpreserved or improperly preserved sample. Sample integrity may be compromised.
V	The laboratory does not have validated methodology for this analysis.
W	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
X	Sample arrived broken upon receipt – unable to analyze.
Y	Analysis was unable to be completed due to method difficulties that exhausted the sample.
Z	Analysis not performed by Pesticide Laboratory.
AA	The analyte was not detected, however some or all of the quality control data for the analyte were outside QA criteria, and the presence or absence of the analyte cannot definitively be determined from the data.
BB	Sample integrity may be compromised; sample received leaking into bag.
CC	Sample custody may be compromised due to chain of custody documentation deficiency.
DD	Sample integrity may be compromised; sample received at temperature above 10 degrees C.
EE	The presence was confirmed by HPLC-PDA Spectra.
FF	The presence was determined by HPLC with Fluorescence detection.
GG	Confirmation Methodology not available.
HH	The analyte was detected; however, the quality control data for the analyte was outside QA criteria (low recovery), therefore the reported value is estimated.
II	For informational purposes for Pesticides in Fertilizer Mixtures – An investigational allowance of 25 percent of the guarantee shall be allowed on all pesticides when added to custom blend fertilizers.
JJ	Analysis result is estimated due to non-homogeneous sample matrix.
KK	Analysis was unable to be completed due to sample preparation difficulties that exhausted the sample.

Other Lab Report Definitions

MDL	The method detection limit (MDL) is defined as "the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero." *40 CFR part 136 Appendix B*
PQL	The practical quantitation limit (PQL) is defined as "the lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy during routine laboratory operating conditions." *50 FR 46906* The PQL = 3 x MDL value.
NA	Not Analyzed – The laboratory did not conduct a test for this analyte.
ND	Not Detected at or above the MDL for sample results reported as a concentration and Not Detected at or above the lowest method standard level for sample results reported as a weight value (i.e. swabs)
NR	Not Reported
ppm	mg/kg, mg/L
ppb	µg/kg, µg/L